

MAIL STOP PCT

Docket No. 263520US2PCT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Francois MEOT

SERIAL NO: 10/517,773

FILED: December 27, 2004

FOR: DEVICE FOR IRRADIATING A TARGET BY A CHARGED HADRON BEAM, APPLICATION TO HADRONTHERAPY



GAU:

EXAMINER:

## INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

## REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

## RELATED CASES

- Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

## CERTIFICATION

- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

## DEPOSIT ACCOUNT

- Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Marvin J. Spivak

Registration No. 24,913

Corwin P. Umbach, Ph.D.  
Registration No. 40,211

Surinder Sachar

Registration No. 34,423

Customer Number

22850

Tel. (703) 413-3000

Fax. (703) 413-2220

(OSMMN 05/03)

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 263520US2PCT	SERIAL NO. 10/517,773		
		LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Francois MEOT			
				FILING DATE December 27, 2004	GROUP		
		U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
L	AA	4 962 317	10/09/90	JASON, Andrew J. et al.			
	AB	5 039 867	08/13/91	NISHIHARA, Susumu et al.			
L	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
	AJ	02/41948	05/30/02	WO (with English abstract)	YES		NO
	AK	00/40064	07/06/00	WO (with English abstract)			NO
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AL	FUTAMI, Yasuyuki et al. "Broad-beam three-dimensional irradiation system for heavy-ion radiotherapy at HIMAC", Nuclear Instruments and Methods in Physics Research A, vol. 430, no. 1, pages 143-153 1999					
	AM	JONES, W.P. et al. "Design of a Beam Transport System for a Proton Radiation Therapy Facility", Proceedings of the 1999 Particle Accelerator Conference, pages 2519-2521 1999					
	AN	MEOT, F. et al. "Principles of the non-linear tuning of beam expanders", Nuclear Instruments and Methods in Physics Research A, vol. 379, no. 2, pages 196-205, XP002235833 1996					
	AO	KITAGAWA, A. et al. "The Medical Accelerator HIMAC and the Charged Particle Therapy in Japan", Proc. PAC Conf. 2001					
	AP	GROSS, K.D. et al. "Proposal for a dedicated ion beam facility for cancer therapy", GSI 1998					
	AQ	BLIND, Barbara. "Generation of a Rectangular Beam Distribution for Irradiation of the Accelerator Production of Tritium Target", Report MS H811, pages 453-455					
	AR	MEOT, F. et al. "On Beam Uniformization by Non-Linear Optics", Satume National Laboratory Report, pages 1-20 1995					
	AS	URAKABE, Eriko. "Spot Scanning Irradiation with 11C Beams at HIMAC", FFAG-02 Workshop 2002					
	AT	MOLODOJENTSEV, Alexandre et al. "Flexible Computational Model of Pencil Beam Dose Distribution for Spot-Scanning", FFAG-02 Workshop 2002					
	AU	ITANO, Akifumi. "Accelerator Facility PATRO for Hadrontherapy at Hyogo Ion Beam Medical Center"				<input type="checkbox"/> Additional References sheet(s) attached	
Examiner				Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

U.S. PCT Application Serial No.: 10/517,773  
Docket No.: 263520US2PCT

#### STATEMENT OF RELEVANCY

- 1) References AA, AB, AJ-AN have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) References \_\_\_\_\_ have been cited in the corresponding \_\_\_\_\_ Search Report. A copy of these references is being submitted herewith.
- 3) References AO-AU are discussed in the specification. A copy of these references is being submitted here with.
- 4) References \_\_\_\_\_ are additional prior art known to Applicant. A copy of these references is being submitted herewith.